


US EPA ARCHIVE DOCUMENT

A light gray map of the state of Ohio is centered in the background. Overlaid on the map are several white circles of varying sizes, representing energy data points. Some circles are solid, while others are outlines. They are scattered across the state, with a higher concentration in the central and northern regions.

# State Level Energy Data: Ohio's Experience

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## Background

- 2003, most recent PUCO energy forecast released
- October 2005, last report on energy usage (10 pages)
- Mid-January 2008, Energy Strategy Session for State Agencies
  - SWOT analysis (strength, weaknesses, opportunities, threats)
  - Energy-related budget review
- Ohio Energy Office saw need and was asked to update/expand earlier report
  - Mid-March 2008, first draft of Ohio Situation Analysis shared
  - May 2008, Limited-release Ohio Situation Analysis distributed
- May 1<sup>st</sup>, 2008 Governor Strickland signs electricity regulation and energy efficiency/advanced energy portfolio standard bill

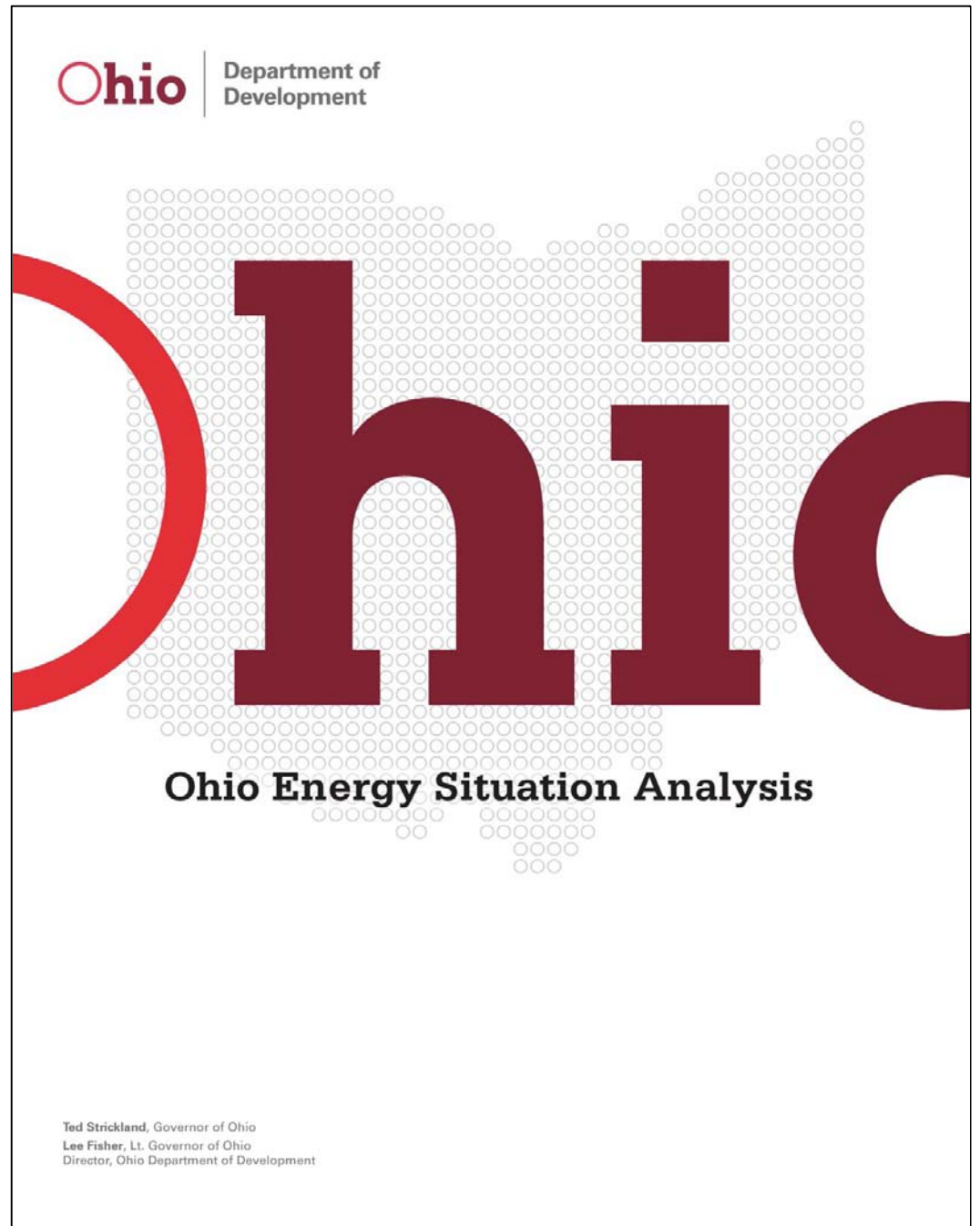
# Ohio Energy Situation Analysis

Lay of the land of Ohio's:

- Energy sources & usage trends & forecasts
- Current & proposed policies,
- Long & short-term implications

~50 sources, and 60+ figures & tables

- Relied heavily on existing data sources; EIA, Ohio PUC, EPA, DNR, NREL
- Included local sources & examples to translate national data
- Show where Ohio stands in comparison to the rest of the nation

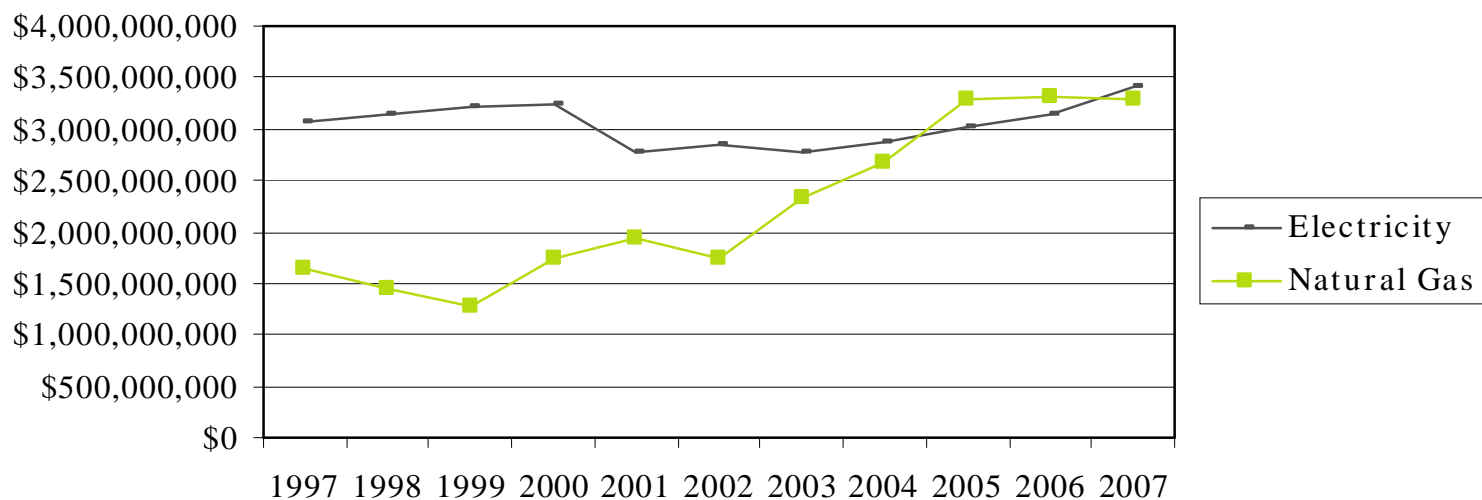


## Example

### Energy Sources:

- Price, consumption, imports, and production historic and future estimates:
  - Petroleum, natural gas, coal, uranium, solar, wind, bio, hydro

**Figure 20, Ohio Industrial Expenditures on Natural Gas vs. Electricity, 1997-2007**



## Other Topics

- Energy usage costs and consumption
  - Electric generation, space heating/industrial processes, transportation, transmission and distribution
- Emissions
  - Non-attainment status, existing and proposed regulations
- Renewable energy resources and costs
  - Biofuel, biomass, wind, solar,
- Energy efficiency
- Material and construction costs
- Workforce, supply chain
- Legislation and Policy
  - Market policies, Ohio Law and building codes, regional and federal policies



## Next steps

Development of program/policy recommendations

- June 2008, Energy Strategy Session with business, industry, and governmental leaders planned
- Broader public distribution and input



## Data Needs, Lessons Learned

- There is a lot of existing information
  - Navigation of EIA and EPA sites is intuitive, but presentation and distillation to the state level will always be needed
- Inclusion of the local impacts and human factor
- The past will inform, but not necessarily predict the future
- There are a number of large uncertainties and rapidly evolving factors, how do you account for these?
  - World oil prices, carbon regulations, alternative energy technology development
- Policy decisions for energy effect every citizen and business that requires multiple perspectives
- Forecasts at the state level need to continue and be updated regularly
  - Not just consumption, but also price, fuel & technology availability

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